

Amendments to the Specification

Please delete the paragraph on Page 2, lines 9-13:

The present invention is directed to an electric motor and an electric type compressor that prevent certain inconvenience such as a crack even if a housing and a stator core expand or shrink in a tightly fit manner with each other due to a difference in thermal expansion coefficients between the housing and the stator core.

Please delete the paragraph on Page 2, lines 13, page 3, line 2:

The present invention has following features. An electric motor includes a housing and a circular stator. The housing has an inner circumferential surface with a first thermal expansion coefficient. The housing further has an elastic part. The stator core is pressed to an inside of the housing by tight fit. The stator core has an outer circumferential surface with a second thermal expansion coefficient that is different from the first thermal expansion coefficient. A void is defined between the inner circumferential surface and outer circumferential surface so as to prevent the inner and the outer circumferential surfaces from contacting with each other in a circular region. When the housing and the stator core expand or shrink so as to tightly fit with each other due to a differential between the first and the second thermal expansion coefficients, an elastic part is located near the void and is elastically deformed.

Please insert the following paragraph on Page 2 lines 9-13:

The present invention is directed to an electric type compressor motor including a housing having an inner circumferential surface, the housing also having a first thermal expansion coefficient, the housing further having an elastic part and having a plurality of

recesses which are formed near the elastic part extending outwardly in the radial direction of the inner circumferential surface to define corresponding voids; an electric motor including a circular stator core pressed to an inside of the housing by tight fit, the stator core having an outer circumferential surface and a central axis, the stator core also having a second thermal expansion coefficient that is different from the first thermal expansion coefficient; a compressor mechanism accommodated in the housing and connected to the electric motor for compressing gas as driven by the electric motor; wherein voids are defined between the inner circumferential surface outside the recesses of the housing and the outer circumferential surface of the stator core so as to prevent the inner and the outer circumferential surfaces from contacting each other in a circular region, wherein the first voids and the second voids extend substantially along the length of the stator core in the direction of the central axis of the stator core and wherein one of the first voids and corresponding one of the second voids define a void, wherein the elastic part of the housing is located near each of the first voids, and wherein the elastic part of the housing is elastically deformed when the housing and the stator core expand or shrink so as to tightly fit each other due to a differential between the first and the second thermal expansion coefficients